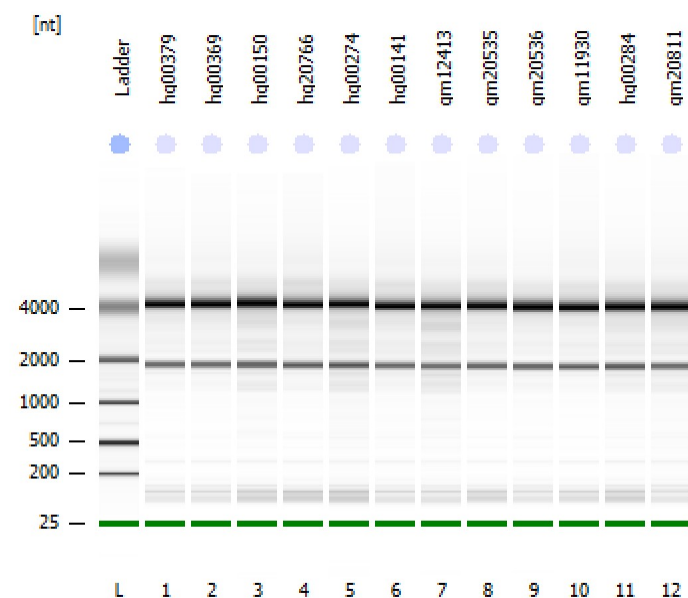


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-07_11-29-43.xad

Created: 10/7/2011 11:29:43 AM
Modified: 10/7/2011 11:53:38 AM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

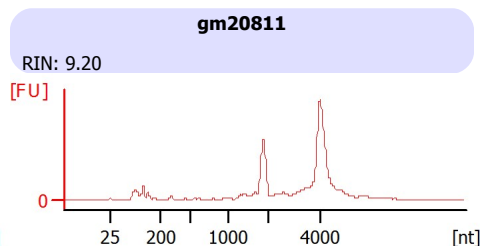
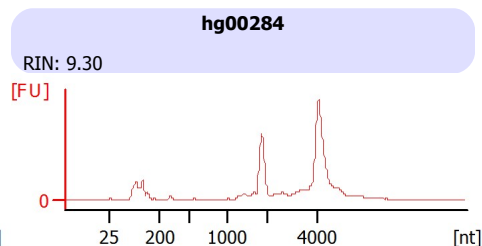
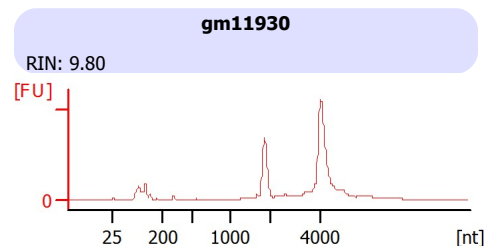
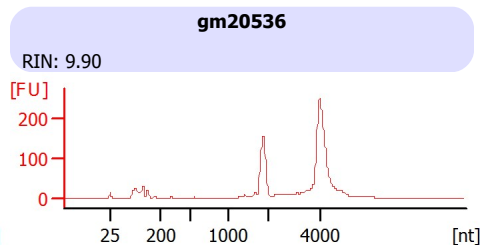
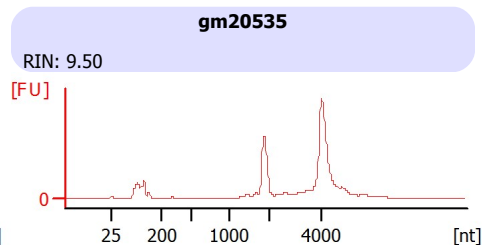
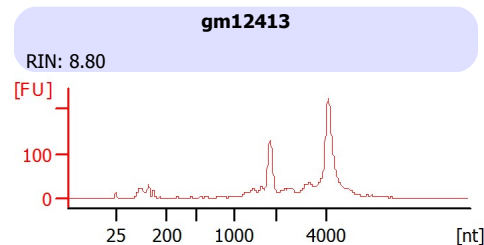
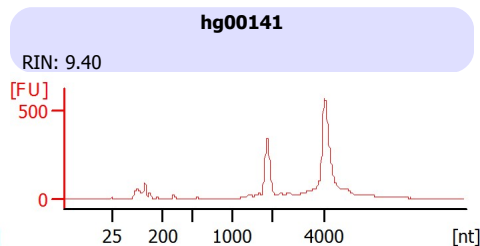
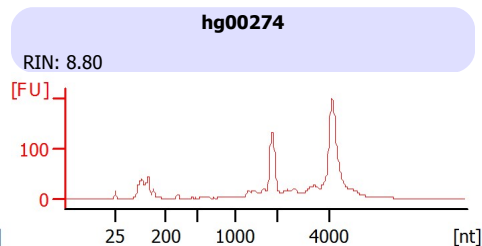
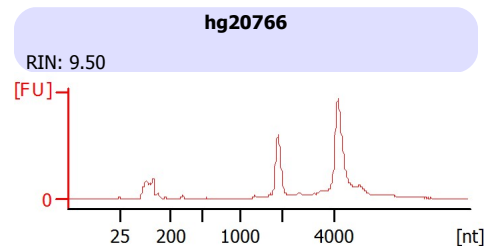
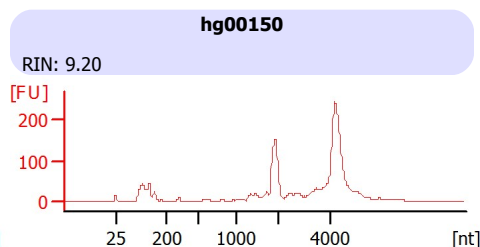
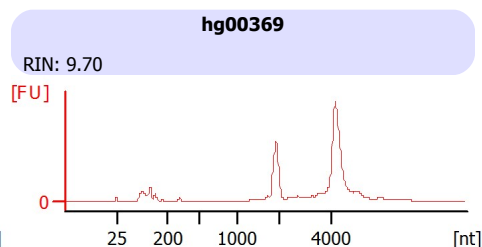
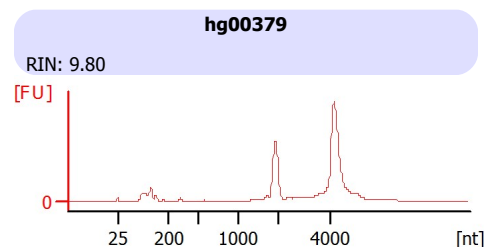
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-07_11-29-43.xad

Created: 10/7/2011 11:29:43 AM
Modified: 10/7/2011 11:53:38 AM

Electrophoresis File Run Summary (Chip Summary)

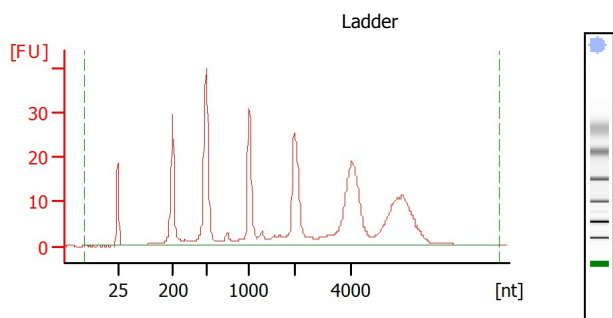
Sample Name	Sample Comment	Status	Result Label	Result Color
hg00379		✓	RIN: 9.80	
hg00369		✓	RIN: 9.70	
hg00150		✓	RIN: 9.20	
hg20766		✓	RIN: 9.50	
hg00274		✓	RIN: 8.80	
hg00141		✓	RIN: 9.40	
gm12413		✓	RIN: 8.80	
gm20535		✓	RIN: 9.50	
gm20536		✓	RIN: 9.90	
gm11930		✓	RIN: 9.80	
hg00284		✓	RIN: 9.30	
gm20811		✓	RIN: 9.20	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-07_11-29-43.xad

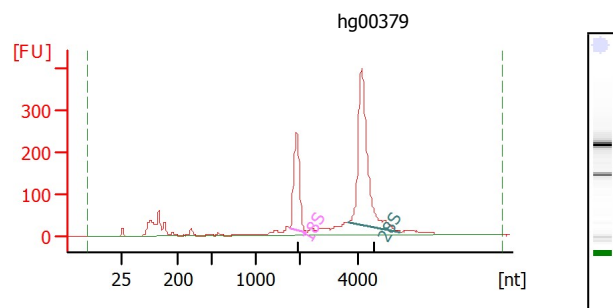
Created: 10/7/2011 11:29:43 AM
 Modified: 10/7/2011 11:53:38 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 427.8
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

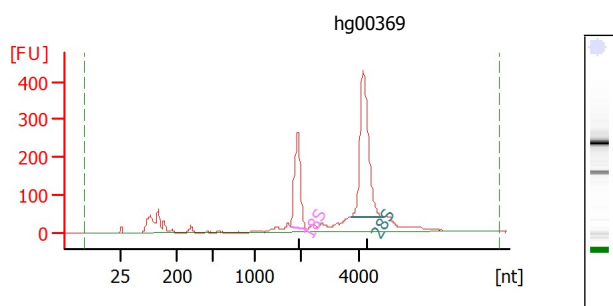


Overall Results for sample 1 : hg00379

RNA Area: 2,375.9
 RNA Concentration: 833 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 9.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.80

Fragment table for sample 1 : hg00379

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,755	2,196	418.4	17.6
28S	3,680	5,457	891.3	37.5

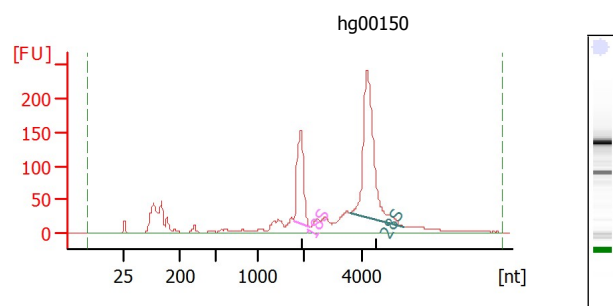


Overall Results for sample 2 : hg00369

RNA Area: 2,614.8
 RNA Concentration: 917 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.70

Fragment table for sample 2 : hg00369

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,753	2,187	455.0	17.4
28S	3,684	4,818	863.1	33.0



Overall Results for sample 3 : hg00150

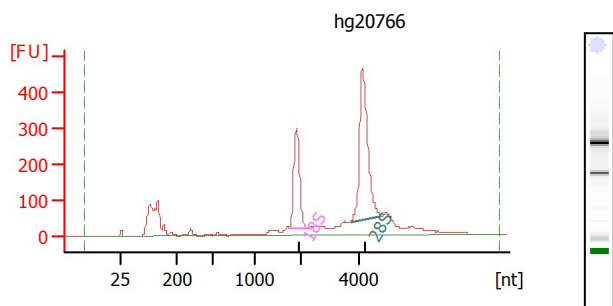
RNA Area: 1,867.7
 RNA Concentration: 655 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.20

Fragment table for sample 3 : hg00150

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,762	2,158	272.9	14.6
28S	3,597	5,458	594.5	31.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-07_11-29-43.xad

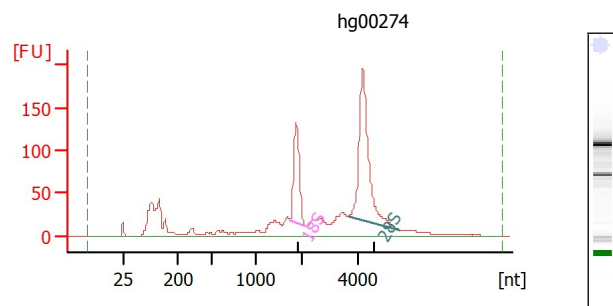
Created: 10/7/2011 11:29:43 AM
Modified: 10/7/2011 11:53:38 AM

Electropherogram Summary Continued ...**Overall Results for sample 4 : hg20766**

RNA Area: 3,124.4
RNA Concentration: 1,095 ng/μl
rRNA Ratio [28s / 18s]: 1.8
RNA Integrity Number (RIN): 9.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.50

Fragment table for sample 4 : hg20766

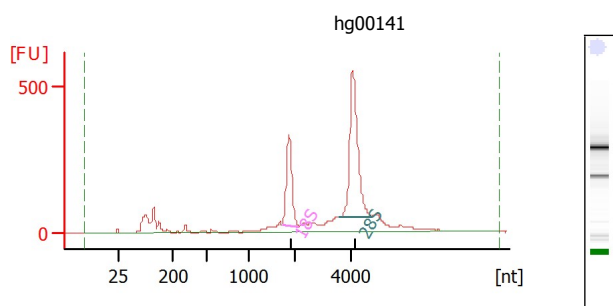
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,744	2,216	502.3	16.1
28S	3,670	4,774	897.7	28.7

**Overall Results for sample 5 : hg00274**

RNA Area: 1,602.2
RNA Concentration: 562 ng/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 8.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.80

Fragment table for sample 5 : hg00274

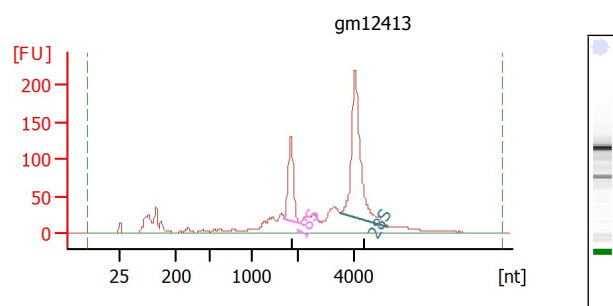
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,748	2,124	204.7	12.8
28S	3,649	5,452	445.9	27.8

**Overall Results for sample 6 : hg00141**

RNA Area: 3,518.1
RNA Concentration: 1,233 ng/μl
rRNA Ratio [28s / 18s]: 1.9
RNA Integrity Number (RIN): 9.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.40

Fragment table for sample 6 : hg00141

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,731	2,162	546.6	15.5
28S	3,570	4,725	1,059.7	30.1

**Overall Results for sample 7 : gm12413**

RNA Area: 1,636.1
RNA Concentration: 574 ng/μl
rRNA Ratio [28s / 18s]: 2.5
RNA Integrity Number (RIN): 8.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.80

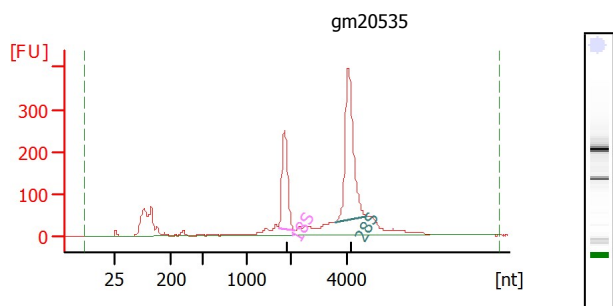
Fragment table for sample 7 : gm12413

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,729	2,072	187.8	11.5
28S	3,542	5,220	469.3	28.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-07_11-29-43.xad

Created: 10/7/2011 11:29:43 AM
 Modified: 10/7/2011 11:53:38 AM

Electropherogram Summary Continued ...

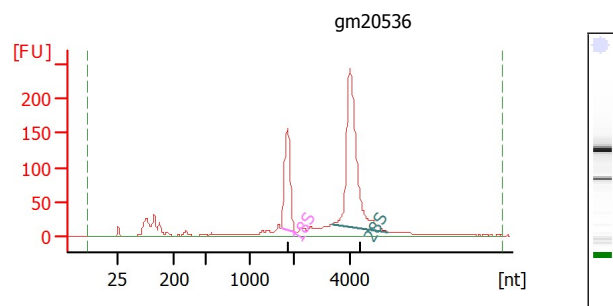


Overall Results for sample 8 : gm20535

RNA Area: 2,620.4
 RNA Concentration: 919 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.50

Fragment table for sample 8 : gm20535

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,733	2,172	412.4	15.7
28S	3,594	4,747	795.6	30.4

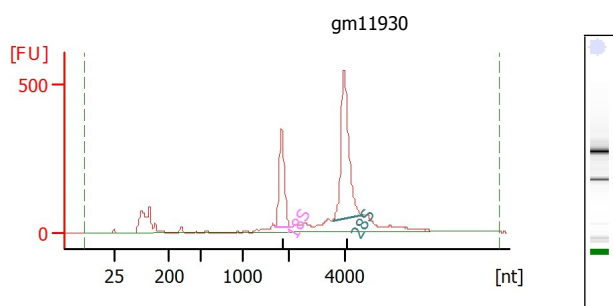


Overall Results for sample 9 : gm20536

RNA Area: 1,512.7
 RNA Concentration: 530 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 9.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.90

Fragment table for sample 9 : gm20536

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,714	2,097	271.2	17.9
28S	3,400	5,361	622.2	41.1

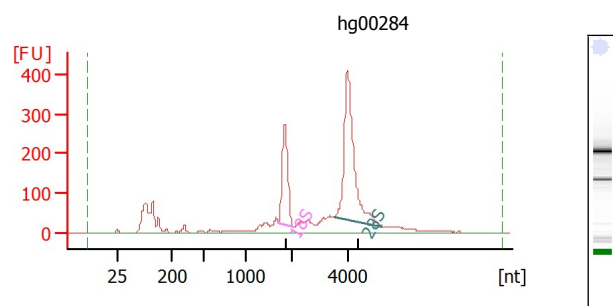


Overall Results for sample 10 : gm11930

RNA Area: 3,360.4
 RNA Concentration: 1,178 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.80

Fragment table for sample 10 : gm11930

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	2,123	563.4	16.8
28S	3,585	4,700	1,085.3	32.3



Overall Results for sample 11 : hg00284

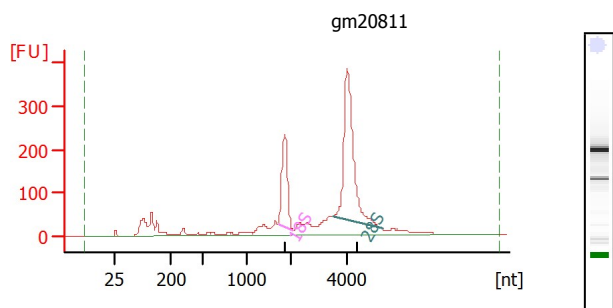
RNA Area: 3,107.4
 RNA Concentration: 1,089 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.30

Fragment table for sample 11 : hg00284

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,719	2,093	454.0	14.6
28S	3,540	5,288	977.8	31.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-07_11-29-43.xad

Created: 10/7/2011 11:29:43 AM
Modified: 10/7/2011 11:53:38 AM

Electropherogram Summary Continued ...**Overall Results for sample 12 : gm20811**

RNA Area: 2,730.8
RNA Concentration: 957 ng/μl
rRNA Ratio [28s / 18s]: 2.4
RNA Integrity Number (RIN): 9.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.20

Fragment table for sample 12 : gm20811

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
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18S	1,723	2,097	378.8	13.9
28S	3,519	5,271	895.1	32.8